## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S357	129	pilot with (channel near3 estimat\$) and (random access with channel or RACH) and (beam-steer\$ or steer\$4 or SIMO or spatial process\$4) and (forward or broadcast\$4 or downlink) with channel same (random access with channel or RACH) and (beam-steer\$ or steer \$4 or SIMO or spatial process\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:41
S359	8	S357 and 370/310,328,347.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:42
S358	4	S357 and 375/276,299,346-347. ccls.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:42
S363	59	(\$362 or \$361) and 370/208-210,310,328,347. ccls.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:43
S362	225	(random access with channel or RACH) same (uplink or reverse) and (pilot) same channel with estimat\$ and schedul\$ same (forward or downlink) with control with channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:43
S361	510	pilot with channel with estimat\$ and (RACH or random access channel) same request\$4	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:43
S360	8	S357 and 370/208-210. ccls.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:43
S369	94	pilot with estimat\$ same (forward or downlink or Random) with channel and S368	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:44
S368	732	(S364 or S365 or S366 or S367)	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:44

S367	379	((STEVEN) near2 (HOWARD)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:44
S366	190	((JOHN) near2 (KETCHUM)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:44
S365	312	((MARK) near2 (WALLACE)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:44
S364	201	((J) near2 (WALTON)). INV.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:44
<b>S</b> 370	5	pilot with estimat\$ same (forward or downlink or Random) with channel and \$368 and (RACH or random access) same (SIMO or beam-form\$4 or beam-steer\$4 or beamform\$4 or beamform\$4 or beamform\$4 or beamform\$4 or beamform\$4 or beamsteer\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:45
S373	10	pilot with estimat\$ same (forward or downlink or Random) with channel and (RACH or random access) same (SIMO or beam-form\$4 or beamform\$4 or beamsteer\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:47
S372	7	beam-steer\$4 or beamform\$4 or beamsteer \$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 08:47
S371	10623	qualcomm.as.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:47
S374	67	("20020027951"   "20020044610"   "20020075830"   "20030003863"   "20030039317"   "20030185311"   "20040076224"   "20040151108"   "20040151122"   "20040184398"   "20040252632"   "20050047515"   "20050135284"   "20050135318"   "20050147177"	US-PGPUB; USPAT	ADJ	ON	2011/12/08 08:59

		"20050185575"   "20050220211"   "20050276343"   "20060018395"   "20060067417"   "20060209894"   "20060209937"   "20080069015"   "20080267098"   "20080267138"   "20100067401"   "20100119001"   "5479447"   "5790550"   "5822374"   "6072779"   "6122247"   "6205410"   "6222888"   "6330277"   "6426971"   "6463290"   "6478422"   "6510184"   "6631121"   "6744811"   "6768727"   "6798738"   "6821535"   "6891858"   "6927728"   "6959171"   "6980601"   "6985534"   "7003044"   "7006848"   "7039125"   "7058367"   "7127009"   "7130362"   "7137047"   "7184713"   "7191381"   "7274734"   "7333556"   "7356004"   "7379492"   "7508748"   "7599443").PN.				
S377	5	beam-steer\$4 or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 09:01
S376	15	S374 and (RACH or random access)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 09:01
S375	0	beam-steer\$4 or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 09:01

S378	19	pilot with estimat\$ same (forward or downlink or Random) with channel and (RACH or random with (access or channel)) same (SIMO or beamform\$4 or beamform\$4 or beamsteer\$4 or beamsteer\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 09:02
L5	2	pilot same estimat\$ same (forward or downlink or Random) with channel and (RACH or random with (access or channel)) same (SIMO or beamform\$4 or beam-steer\$4 or beamform\$4 or beamsteer\$) and 370/328,338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 11:00
L4	2	pilot with estimat\$ same (forward or downlink or Random) with channel and (RACH or random with (access or channel)) same (SIMO or beamform\$4 or beam-steer\$4 or beamform\$4 or beamsteer\$) and 370/328,338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 11:00
L3	49	(L2 or L1) and 370/328,338.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/12/08 11:00
L2	225	(random access with channel or RACH) same (uplink or reverse) and (pilot) same channel with estimat\$ and schedul\$ same (forward or downlink) with control with channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/12/08 11:00
L1	510	pilot with channel with estimat\$ and (RACH or random access channel) same request\$4	US-PGPUB; USPAT	ADJ	ON	2011/12/08 11:00

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